

EEEEEEEEE	RRRRRRRRR	FFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFF
EEE	RRR	FFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFF
EEEEEEEEE	RRRRRRRRR	FFFFFFFFFF
EEE	RRR	FFF
EEEEEEEEE	RRR	FFF
EEEEEEEEE	RRR	FFF
EEEEEEEEE	RRR	FFF

FILEID**INITBUS

D 11

IIIIII NN NN II III TTTTTTTTTT BBBB BBBB UU UU SSSSSSSS
IIIIII NN NN II III TTTTTTTTTT BBBB BBBB UU UU SSSSSSSS
IIIIII NN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NNNN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NNNN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN NN II III TTTTTTTTTT BBBB BBBB UU UU SSSSSS
NN NN NN II III TTTTTTTTTT BBBB BBBB UU UU SSSSSS
NN NNNN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NNNN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN II III TTTTTTTTTT BBBB BBBB UU UU SS
NN NN II III TTTTTTTTTT BBBB BBBB UUUUUUUUUUUUU SSSSSSSS
NN NN II III TTTTTTTTTT BBBB BBBB UUUUUUUUUUUUU SSSSSSSS
LL II III SSSSSSSS
LL II III SSSSSSSS
LL II III SS
LL II III SS
LL II III SSSSSS
LL II III SSSSSS
LL II III SS
LL II III SS
LL II III SS
LLLLLLLLL II III SSSSSSSS
LLLLLLLLL II III SSSSSSSS

0001 Subroutine ERFBUSINI (Array_addr, Array_size)
0002
0003
0004 C Version: 'V04-000'
0005 C*****
0006 C*
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0024 C*
0025 C*
0026 C*
0027 C*****
0028 C
0029 C
0030 C Modified by:
0031 C
0032 C V03-002 SAR0238 Sharon A. Reynolds 28-Mar-1984
0033 C Added KMS3271 support.
0034 C
0035 C V03-001 SAR0207 Sharon A. Reynolds 1-Mar-1984
0036 C Added the UDA50A and TU81P.
0037 C
0038 C--
0039 C
0040 C
0041 C Parameter DCS_BUS = '00000080'X
0042 C Parameter DCS_SCOM = '00000020'X
0043 C
0044 C BUS CLASS DEVICES
0045 C
0046 C
0047 C PARAMETER DTS_CI780 = '00000001'X | CI780
0048 C PARAMETER DTS_CI750 = '00000002'X | CI750
0049 C PARAMETER DTS_UDA50 = '00000003'X | UDA50
0050 C PARAMETER DTS_UDA50A = '00000003'X | UDA50A
0051 C PARAMETER DTS_LESI = '00000005'X | LESI
0052 C PARAMETER DTS_TU81P = '00000006'X | TU81P
0053 C PARAMETER DTS_RDRX = '00000007'X | RDRX
0054 C
0055 C PARAMETER DTS_XK_3271 = '00000003'X | DUP-11 FOR 3271 PROTOCOL EMULATOR
0056 C PARAMETER DTS_SB_ISB11 = '00000007'X | ISB-11 DEC dataway
0057 C Parameter DTS_YQ_3271 = '00000012'X | KMS3271

```
0058
0059      Parameter V1 = 1           ! device module version number
0060
0061      Parameter      Maxtypes = 10
0062
0063      Integer*4      Array_addr, Array_size
0064
0065      Integer*2      Bus_codes ( 4 * Maxtypes )
0066
0067
C The following table consist of:
0068 C DEVICE TYPE, DEVICE CLASS, MODULE VERSION, TRANSFER VECTOR OFFSET
0069 C
0070 C The MODULE VERSION is used to determine if the module in this image
0071 C is the one to use. This is accomplished the root image comparing
0072 C this value against the value in the master tables in the root image.
0073 C
0074 C The TRANSFER VECTOR OFFSET is the index to the transfer vector to
0075 C be used for a specific device type. For example, the transfer
0076 C vectors for the disk image are ordered as:
0077 C
0078 C     INITDISK 0
0079 C     MASSDISK 1
0080 C     RKDISK 2
0081 C     RLDISK 3
0082 C     ECT.
0083
0084      Data      Bus_codes /
0085      1 DTS_CI780, DCS_BUS, V1, 1, : CI780
0086      2 DTS_CI750, DCS_BUS, V1, 2, : CI750
0087      3 DTS_UDA50, DCS_BUS, V1, 3, : UDA50
0088      4 DTS_UDA50A, DCS_BUS, V1, 3, : UDA50A
0089      5 DTS_TUB1P, DCS_BUS, V1, 3, : TUB1P
0090      5 DTS_LESI,  DCS_BUS, V1, 3, : LESI
0091      5 DTS_RDRX,  DCS_BUS, V1, 3, : RDRX
0092
0093 C The following two entries should be in a module for sync. communications
0094 C devices. But since only these two devices log errors, it was frugal
0095 C to create a loadable image just for them.
0096
0097      6 DTS_XK_3271, DCS_SCOM, V1, 4, : DUP-11 FOR 3271 PROTOCOL EMULATOR
0098      7 DTS_SB_ISB11, DCS_SCOM, V1, 5, : ISB-11 DEC dataway
0099      8 DTS_YQ_3271, DCS_SCOM, V1, 6, : KMS3271
0100
0101      Array_addr = %LOC(Bus_codes(1))
0102      Array_size = Maxtypes
0103
0104      Return
0105      End
```

ERFBUSINI

G 11
16-Sep-1984 00:03:36 VAX-11 FORTRAN V3.4-56
5-Sep-1984 13:57:12 DISK\$VMSMASTER:[ERF.SRC]INITBUS.FOR;1 Page 3

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	19	PIC CON REL LCL SHR EXE RD NOWRT LONG
2 \$LOCAL	80	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	99	

ENTRY POINTS

Address	Type	Name
0-00000000		ERFBUSINI

VARIABLES

Address	Type	Name	Address	Type	Name
AP-00000004	I*4	ARRAY_ADDR	AP-00000008	I*4	ARRAY_SIZE

ARRAYS

Address	Type	Name	Bytes	Dimensions
2-00000000	I*2	BUS_CODES	80	(40)

H 11
16-Sep-1984 00:03:36
5-Sep-1984 13:57:12

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]INITBUS.FOR;1

Page 4

0001

COMMAND QUALIFIERS

```
FORTRAN /LIS=LISS:INITBUS/OBJ=OBJ$:INITBUS MSRC$:INITBUS
/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE FORM)
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19
```

COMPILATION STATISTICS

Run Time:	0.80 seconds
Elapsed Time:	3.36 seconds
Page Faults:	85
Dynamic Memory:	155 pages

0149 AH-BT13A-SE
VAX/VMS V4.0

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